

111TH CONGRESS
1ST SESSION

H. R. 1682

To amend title 23, United States Code, to require States to develop and implement highway bridge management systems.

IN THE HOUSE OF REPRESENTATIVES

MARCH 24, 2009

Mr. CONAWAY (for himself and Ms. SUTTON) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

A BILL

To amend title 23, United States Code, to require States to develop and implement highway bridge management systems.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Bridge Life Extension
5 Act of 2009”.

6 **SEC. 2. FINDINGS.**

7 Congress finds the following:

8 (1) Corrosion of highway bridges costs the
9 United States economy \$8.3 billion each year ac-
10 cording to a Federal Highway Administration report

1 (FHWA–RD–01–157) that was delivered to Con-
2 gress in 2002.

3 (2) The ongoing cost of corrosion on United
4 States highway bridges represents a needless waste
5 of taxpayer dollars.

6 (3) One-third of the ongoing cost of corrosion
7 on United States highway bridges would be saved if
8 existing, fully developed corrosion prevention tech-
9 nologies were applied to bridge decks and their sub-
10 structures.

11 (4) The application of corrosion technologies to
12 United States highway bridges is necessary, but cur-
13 rently underused.

14 (5) The application of corrosion prevention
15 strategies should be required in the design and reha-
16 bilitation of bridge structures that use Federal fund-
17 ing and the development of new corrosion prevention
18 technologies should be encouraged.

19 **SEC. 3. HIGHWAY BRIDGE REPLACEMENT AND REHABILI-**
20 **TATION PROGRAM.**

21 Section 144(d) of title 23, United States Code, is
22 amended by adding at the end the following:

23 “(5) REQUIREMENTS FOR STATE PARTICIPA-
24 TION.—

1 “(A) IMPLEMENTATION OF HIGHWAY
2 BRIDGE MANAGEMENT SYSTEMS.—As a condi-
3 tion for providing assistance to a State under
4 this section, the Secretary shall require the
5 State to develop and implement a highway
6 bridge management system that meets the re-
7 quirements of section 303.

8 “(B) APPLICABILITY TO NEW AND EXIST-
9 ING BRIDGES.—A highway bridge management
10 system under subparagraph (A) shall apply to
11 design and construction of new bridges and
12 maintenance of existing bridges.

13 “(C) PRESERVATION OF STRUCTURES.—In
14 developing and implementing a highway bridge
15 management system under subparagraph (A), a
16 State shall—

17 “(i) identify corrosion mitigation and
18 prevention methods that will be used to
19 preserve the highway bridges in the State,
20 taking into account—

21 “(I) material selection;

22 “(II) coating considerations;

23 “(III) cathodic protection consid-
24 erations;

1 “(IV) design considerations for
2 corrosion; and

3 “(V) concrete requirements;

4 “(ii) establish a project maintenance
5 program for highway bridges in the State
6 for the purpose of extending the life of
7 each highway bridge;

8 “(iii) ensure that all highway bridge
9 designers, inspectors, and maintenance in-
10 dividuals implementing the system are
11 trained and certified in corrosion mitiga-
12 tion and prevention techniques; and

13 “(iv) research current inspection tech-
14 nologies and techniques for highway
15 bridges.

16 “(D) CONSULTATION.—A State shall carry
17 out the requirements of this paragraph in con-
18 sultation with engineers and other experts spe-
19 cializing in corrosion mitigation and prevention
20 methods.”.

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